

Appl. No. : 09/038,377
Filed : May 8, 1998

Please delete the sequence listing as filed in the Response to Notice to Comply on January 6, 2000 and replace it with the hard copy of the new sequence listing enclosed herewith.

In the Claims

Please amend the claims as follows:

15. (Twice amended) An antibody capable of specific binding to a polypeptide epitope of a PST phosphatase interacting protein (PSTPIP) polypeptide selected from the group consisting of

- (i) a polypeptide comprising the amino acid sequence of the PSTPIP polypeptide shown in Fig. 1A (SEQ ID NO: 1); and
- (ii) a polypeptide encoded by nucleic acid which hybridizes under stringent conditions to the complement of nucleic acid of SEQ ID NO: 2 said polypeptide [substantially] retaining the ability to bind to a protein tyrosine phosphatase which (a) possesses a non-catalytic domain comprising a region rich in proline, serine and threonine residues and a C-terminal 20 amino acid segment which is rich in proline residues, and (b) defines at least one SH3 binding domain wherein said stringent conditions are hybridization in a solution containing 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6-8), 0.1% sodium pyrophosphate, 5x Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% sodium dodecyl sulfate (SDS) and 10% dextran sulfate at 42°C followed by wash at 42°C in 0.2 x SSC and 0.1% SDS.

22. (Twice amended) An assay for identifying an antagonist or agonist antibody of a PST phosphatase interacting protein (PSTPIP) polypeptide selected from the group consisting of

- (i) a polypeptide comprising the amino acid sequence of the PSTPIP polypeptide shown in Fig. 1A (SEQ ID NO: 1); and
- (ii) a polypeptide encoded by nucleic acid which hybridizes under stringent conditions to the complement of nucleic acid of SEQ ID NO: 2 said polypeptide [substantially] retaining the ability to bind to a protein tyrosine phosphatase which (a) possesses a non-catalytic domain comprising a region rich in proline, serine and threonine residues and a C-terminal 20 amino acid segment which is rich in proline residues, and (b) defines at least one SH3 binding